

METHOD AND APPARATUS FOR HYDROGEN SULPHIDE REMOVAL

Abstract of Disclosure

A method for removing hydrogen sulphide and carbon dioxide from a gas stream includes the step of contacting the gas stream with aqueous and gaseous ammonia in a closed vessel in the presence of solid iron. An apparatus for removing hydrogen sulphide and carbon dioxide from a gas stream includes a closed vessel for containing aqueous and gaseous ammonia and an iron source. The vessel is partitioned into inlet and outlet chambers and may itself serve as the iron source.

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Variable	Mean	SD	Min	Max
Age	35.2	12.5	18	65
Gender	Male			
Marital status	Married			
Education	High school			
Occupation	Teacher			
Income	1500	500	500	3000
Health status	Good			
Smoking	No			
Alcohol consumption	No			
Exercise	Regular			
Stress level	Low			
Sleep quality	Good			
Dietary habits	Healthy			
Family size	3	1	1	5
Religious beliefs	Religious			
Community involvement	Active			
Life satisfaction	High			
Resilience	High			
Optimism	High			
Emotional stability	High			
Self-efficacy	High			
Problem-solving skills	High			
Decision-making	High			
Communication	High			
Conflict resolution	High			
Relationship quality	High			
Parenting style	Authoritative			
Child development	On track			
Family functioning	Good			
Overall well-being	High			